November 15 -17, 2005: Town & Country Convention Center - San Diego, CA

ITECH Introduction
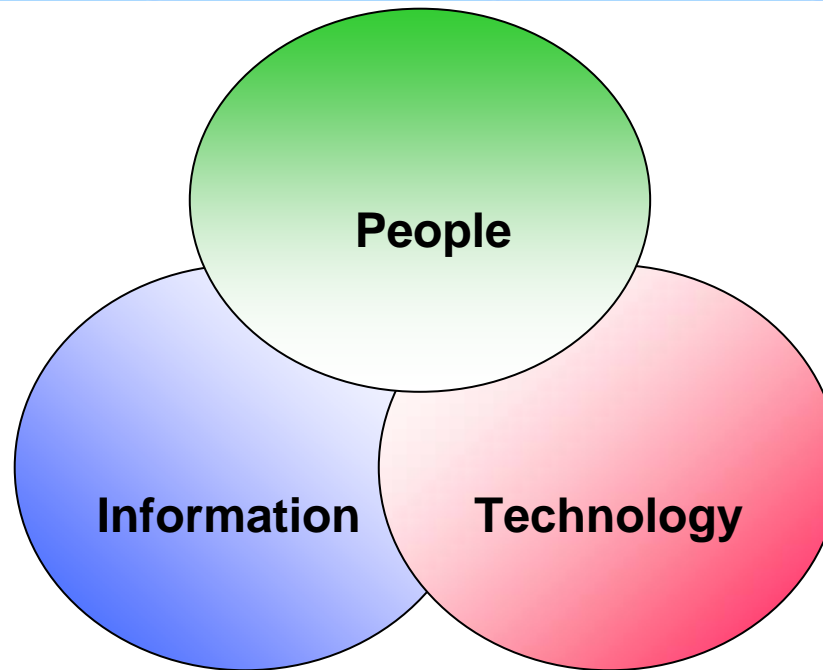
Paul Blatch

N71

Sponsored by **SPAWAR**
SPAWARSYSCOM
FORCEnet Chief Engineer

ITECH

People

Information

Technology

ITECH **is the confluence of three major domains that are vital to the fielding of Net-Centric Naval systems:**

- **Technology and its applications;**
- **Information organization and structure;**
- **Human behavior, communication and interaction.**

Preamble

Senior Naval management knows well enough where economies can be effected, return on investment increased, and value to the warfighter enhanced. It happens through changes in policies and procedures. Improvements are planned in principle, but their execution must await the assemblage and organization of detailed studies, analyses and synthesis. Under the day to day pressure of necessary routine business, action is postponed until a tomorrow that never comes. Informatics Technology seeks to end costly delay by converting indefinite goals into a specific, actionable program. The premise and promise of ITECH is the discovery, definition, and delivery of the way ahead for the instantiation of Network Centric Warfare for the United States Naval Forces.

ITECH CHARTER

Informatics Technology Charter (ITECH)

1. **Purpose:** This charter establishes the organizational entity of Informatics Technology (ITECH). The role of ITECH is to focus FORCEnet technology issues in the acquisition continuum, across all domains and platforms, as the Navy transforms to Net-Centric Warfare. ITECH will provide an available and responsive infrastructure to support senior leadership in understanding, shaping and executing the duties for which they are, individually and collectively, responsible.

2. **Background:** The platform communities of interest (COI) are well represented in the development of their respective technology investment strategies by the chartered organizations of SUBTECH, AIRTECH, SURFTECH and CARTECH. The FORCEnet COI requires an analogous ability to provide an informed set of recommendations and options to senior leadership. The policies and guidance set forth in Sea Power 21 and the Naval Transformation Roadmap will be materially aided by a body which has as its sole focus the optimization of informatics processes and products to enable Net-Centric Warfare.

3. **Vision:** It is the intent of ITECH to provide a clear, understandable and open venue with regard to the processes and products of the FORCEnet acquisition investment and execution strategy(s). Each discrete element of the acquisition continuum (CONOPS, policy, doctrine, S&T, R&D, T&E, PORs and acquisition) will be defined as a function of time as it moves technology to its end state – an installed fleet capability. ITECH intends to be instrumental in the development of best practices for both accelerated fielding of appropriate technology in the near term and the identification of long-term future naval and joint capability opportunities.

4. **Goals:** The principal goals of ITECH include:

- Provide an effective methodology for the FORCEnet COI to identify, participate in and influence the informatics-related processes and events in the DON movement from Platform centric to Net-centric Warfare.

- Provide to senior leadership in the FORCEnet COI a continuous and accurate description of the acquisition trade space based on availability of technical solutions to required capabilities, budgetary boundaries and expected timeframes of fleet delivery.

- Create a forum for the discovery and exploration of innovative acquisition processes and products that result in reduced expenditures and/or faster speed to capability in the transition of technology to the Fleet.

- Establish and maintain a cadre of immediately available FORCEnet SMEs capable of responding/interacting with DON, DOD and non-DOD entities on

matters relating to the implementation and execution of Net-Centric initiatives of mutual interest.

5. **Membership:** Membership of the ITECH core group will be drawn from the commands represented in the FORCEnet Triad, namely, N71, NNWC and SPAWAR. Additional membership/participation will be solicited by the ITECH Director from both DON and non-DON entities as need dictates.

6. **Organization:** The Director, ITECH, will be a senior civilian from the N71 staff. The Director's duties will be to represent the resource sponsor for Net-Centric Warfare (N71), support N704 in its FORCEnet Pillar role with regard to the NCDP process, coordinate and collaborate with the other directors of the XTECH community (i.e. SUBTECH, AIRTECH, SURFTECH, and CARTECH) and perform headquarters/echelon I functions with the Net-Centric COI (i.e. Services, OSD, DHS, etc.). There will be two Deputy Directors. The Deputy Director for Fleet Matters, from NNWC, will represent and staff fleet technology requirements and experimentation initiatives. The Deputy Director for Systems Engineering, from SPAWAR, will represent and staff capability development, technology identification and system of systems roadmaps as a bridge/transition between the requirements and acquisition communities. Additionally, SPAWAR will lead and coordinate all systems acquisition issues with regard to PEO(s) participation in ITECH processes to include technology transition, technology insertion and coordination between and among all relevant PEOs. ITECH will receive oversight from and report out to the ITECH Oversight IPT chaired by N71 with vice–chairs comprised of senior leadership from NNWC and SPAWAR.

7. **Products:** ITECH products will include:

- Development and production of "Net-Centric Technology Objectives (NTOs)", both within and beyond POM, updated and published as required.

- Catalog of all FORCEnet-related investments mapped to capabilities, updated and published as required.

- Development and prosecution of the, "FORCEnet Platform Wholeness Initiative" to provide the technology enablers for Net-Centric Warfare across all platforms and domains.

- Strategic Plan, with POA&M, to:
    - Coordinate participation in all extant initiatives relative to FORCEnet-related investments (i.e. Trident Warrior, Fleet Exercises, Coalition Warrior Interoperability Demonstration, Future Naval Capabilities, Rapid Technology Transition, Advanced Capability Technology Demonstrations, Technology Transition Initiative, TENCAP, etc.); and,

- Minimize FORCEnet capability gaps, overlaps, duplication and asynchronous schedules by continuous monitoring and participation in relevant Net-Centric fora.

8. **Resources:** ITECH will be staffed and supported by current resource allocations extant in its member organizations. There is no separate or additional ITECH funding.

9. **Meetings:** The ITECH core group meetings will nominally be held on a monthly basis. Core group phone conferences will be conducted weekly to maintain positive communications and track ongoing issues. Special meetings to address single focus agendas will be conducted on an as required basis.

10. **Schedule:** This charter is effective immediately.

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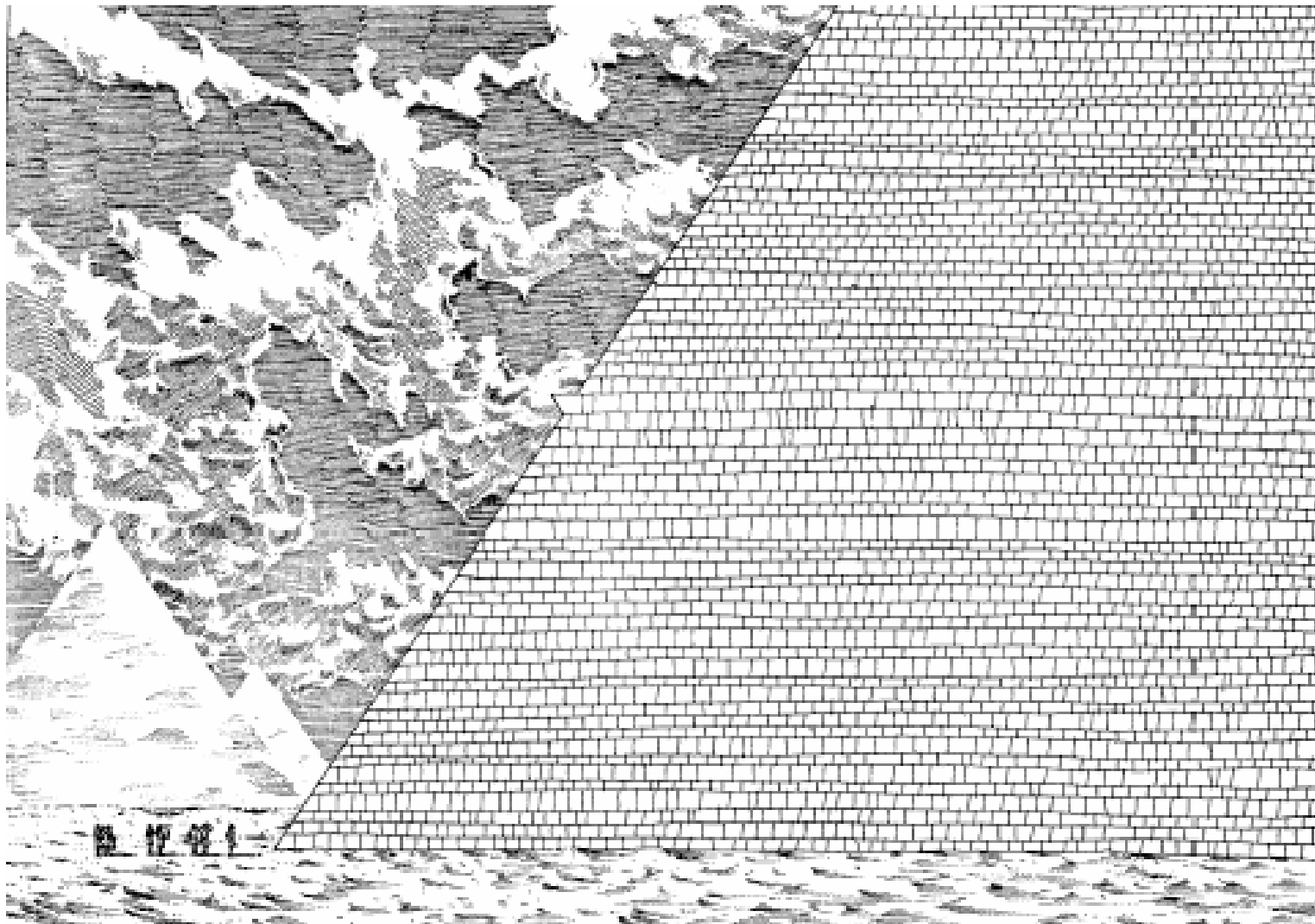
(N71)

Signature:_____   Date:_____

(NNWC)

Signature:_____   Date:_____

(SPAWAR)

ITECH

ITECH Goals

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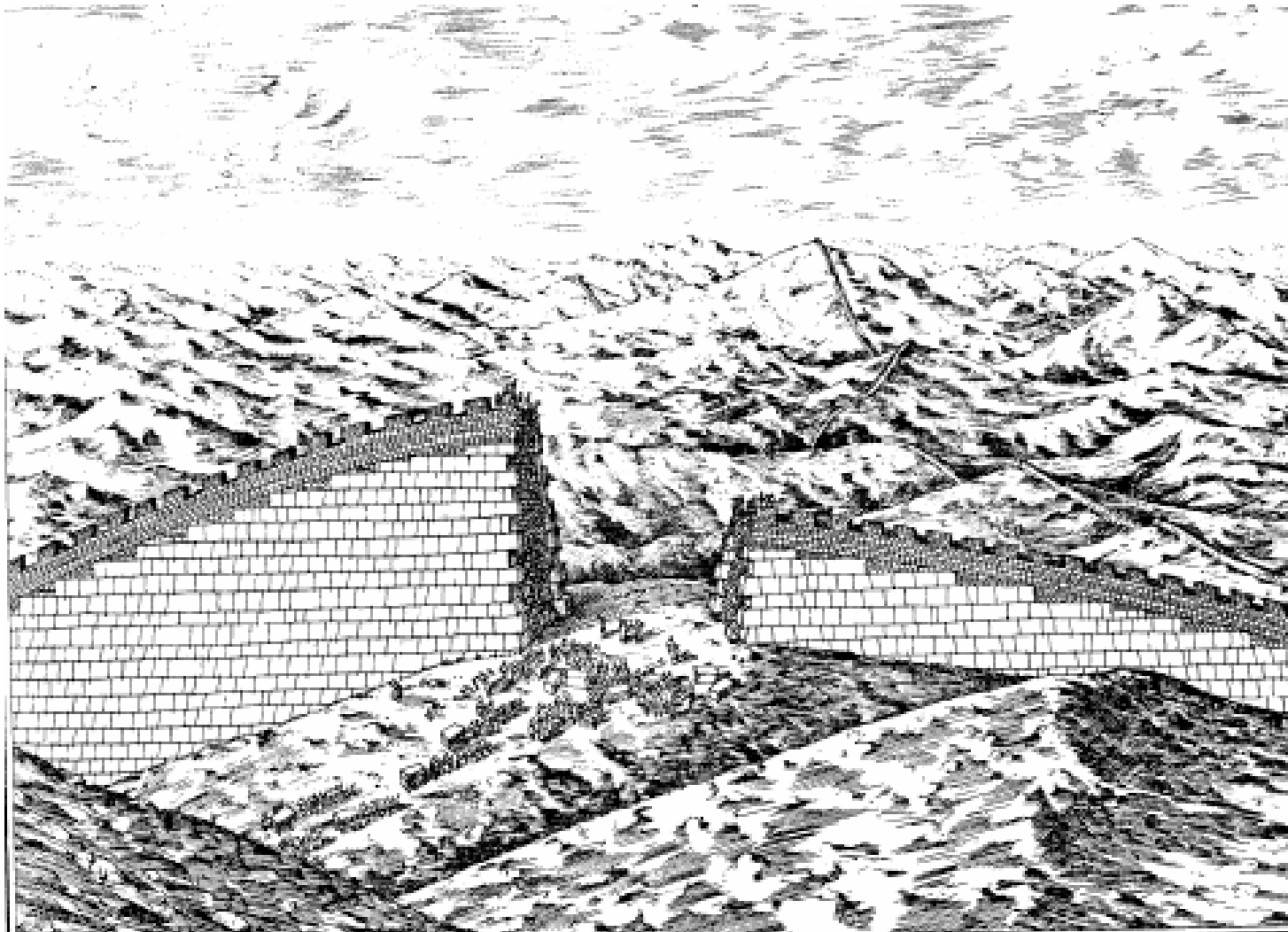
ITECH Goals

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ITECH Goals

- **Establish and maintain a cadre of FORCEnet SMEs to respond/interact with DON, DOD, and non-DOD entities on implementation and execution of Net-Centric initiatives.**

ITECH Products

- **Development and production of Net-Centric Technology Objectives (NTOs), both within and beyond POM.**

ITECH Products

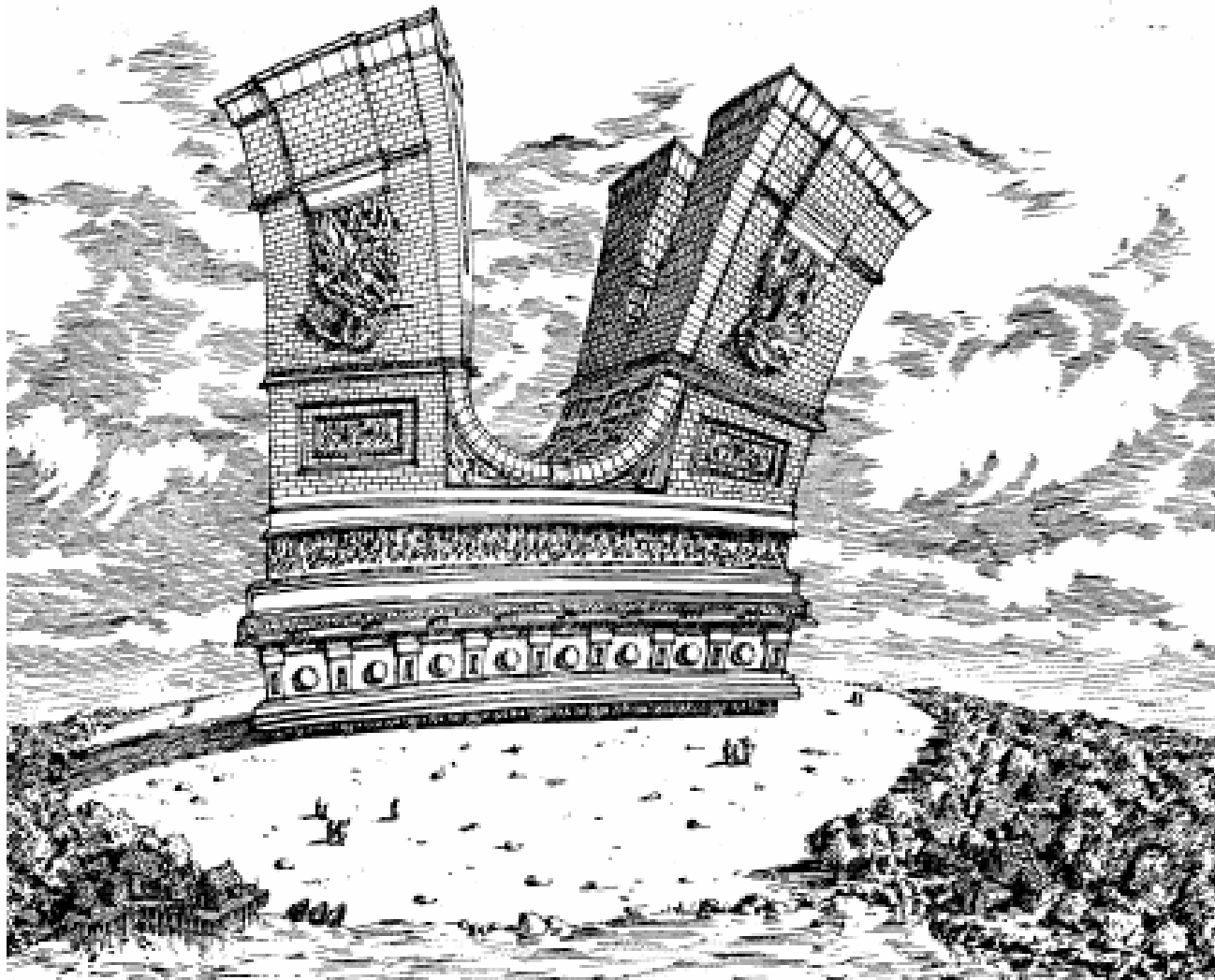- **Catalog of all FORCEnet related investements mapped to capabilities.**

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ITECH Products

- **Strategic Plan with POA&M**
  - **Coordinate participation in all initiatives relative to FORCEnet related investments (i.e. TW, Fleet Exercises, CWID, FNCs, RTT, ACTDs, TTI, TENCAP, etc.)**
  - **Minimize FORCEnet capability gaps, overlaps, duplication and asynchronous schedules.**

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